

Notice of Allowability

Application No.

10/735,319

Examiner

Helene Klemanski

Applicant(s)

WOOD ET AL.

Art Unit

1755

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to amendment filed October 14, 2005.
2. ☒ The allowed claim(s) is/are 1, 10-19 and 21-32.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date _____
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____

Helene Klemanski
HELENE KLEMANSKI
PRIMARY EXAMINER
GROUP 1700

REASONS FOR ALLOWANCE

1. The following is an examiner's statement of reasons for allowance: This application teaches an ink jet ink composition or an ink jet system comprising a recording material and at least one colored ink to be applied to the recording material by means of an ink jet nozzle, wherein the ink jet ink, the recording material or the at least one colored ink comprises at least one dialkyl N-hydroxylamine salt of the formula $(R_{51}R_{52}N-OH) \cdot (HY)$ wherein R_{51} is a substituted or unsubstituted C_{1-36} alkyl, C_{5-12} cycloalkyl or C_{7-9} aralkyl wherein the above groups may be substituted by one to six of 1-12 carbon atoms, halogen, cyano, $E_{41}O-$, $E_{41}CO-$, $E_{41}OCO-$, $E_{41}COO-$, $E_{41}S-$, $E_{41}SO-$, $E_{41}SO_2-$, $-NH_2$, $-NH E_{41}$, $NE_{41}E_{42}-$, $-PO(O E_{41})(O E_{42})$ or $-OPO(O E_{41})(O E_{42})$ groups; R_{52} is H or independently has the same meaning as R_{51} , wherein at least one of R_{51} and R_{52} contains a hydrogen alpha to the $-NOH$ moiety; E_{41} and E_{42} independently are H, C_{1-4} alkyl or C_{1-4} alkyl substituted by one to three hydroxyl groups or E_{41} and E_{42} independently are an oligomer of poly(ethylene glycol) or poly(propylene glycol) terminated by hydroxyl, methoxy, acetate or propionate, where he oligomer has a molecular weight up to about 500 and HY is an inorganic or organic acid. The closest prior art of record is U.S. Patent Application Publication Nos. 2002/0088574 and 2002/0174964 and U.S. Patent No. 6,599,326, all issued to Seltzer et al. and U.S. Patent Application Publication No. 2003/0070582, issued to Kitamura and U.S. Patent Nos. 6,811,597 and 6,676,735, both issued to Oki et al. All the Seltzer et al. references teach a composition comprising pulp or paper (i.e. recording medium) and an N,N-dialkylhydroxylamine acid salt but fails to teach or fairly an ink jet ink composition or an

Art Unit: 1755

ink jet system comprising the N,N-dialkylhydroxylamine acid salt as claimed by applicants. The Kitamura et al. and Oki et al. references each teach an ink jet ink and/or an ink jet recording medium containing a receiving layer comprising a heterocyclic hindered amine compound but fails to teach or fairly suggest the addition of at least one dialkyl N-hydroxylamine salt of the formula as claimed by applicants.

Accordingly, this application is allowable.

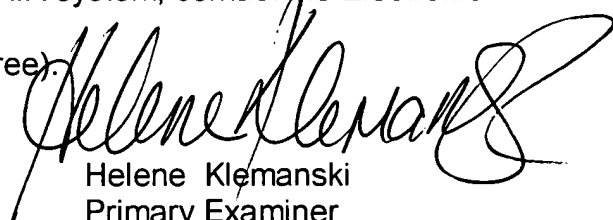
Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Helene Klemanski whose telephone number is (571) 272-1370. The examiner can normally be reached on Monday-Friday 5:30-2:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jerry Lorengo can be reached on (571) 272-1233. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Art Unit: 1755

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Helene Klemanski
Primary Examiner
Art Unit 1755



HK
October 31, 2005